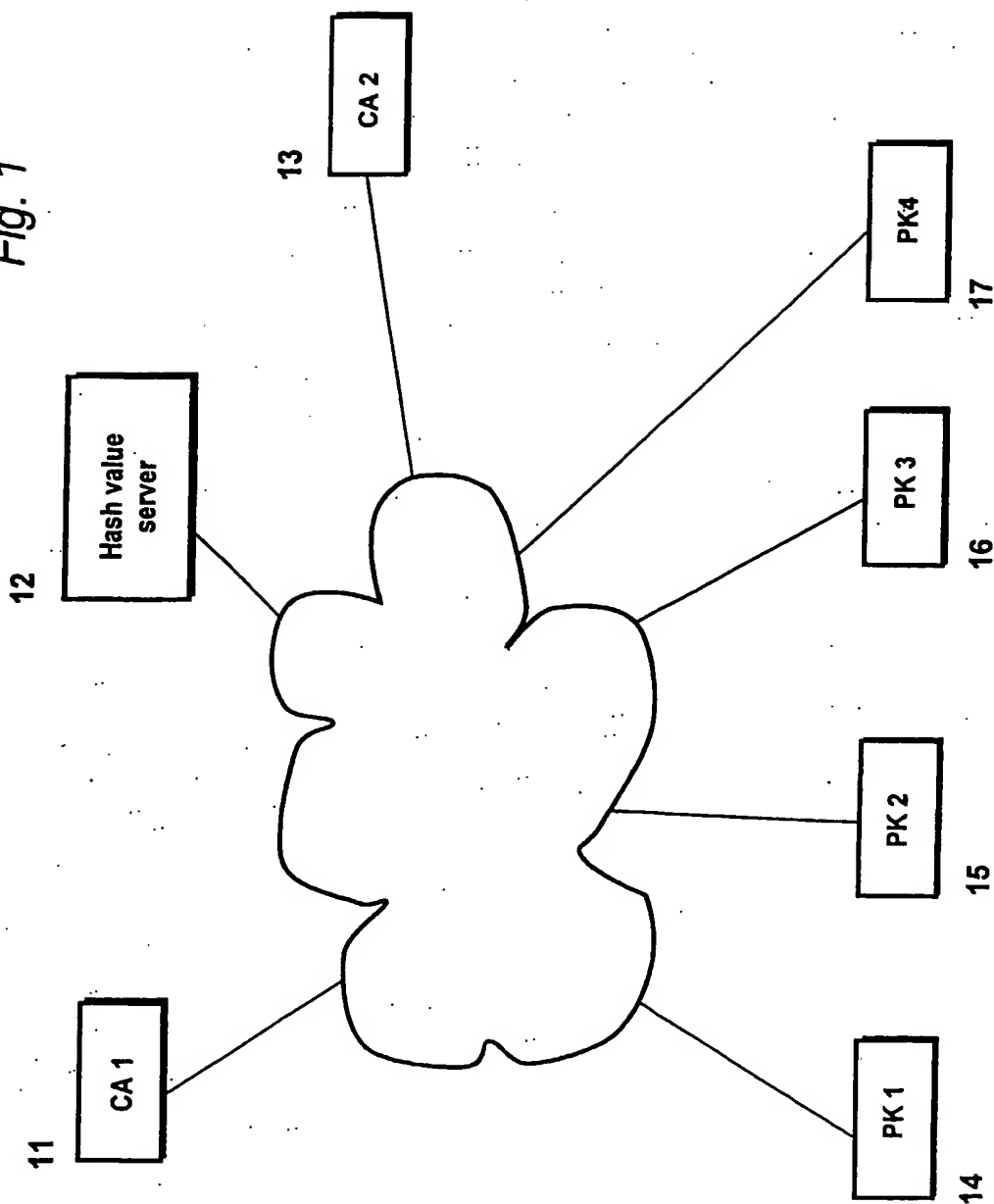
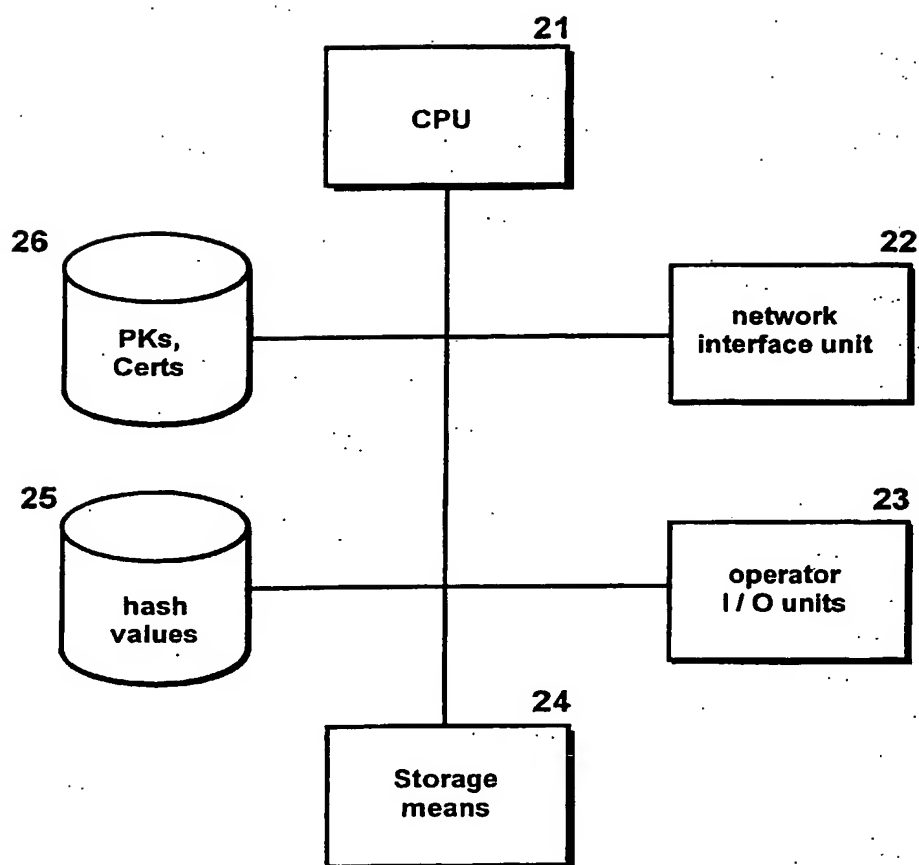


1/14

Fig. 1



2/14

*Fig. 2*

3/14

31 email address	32 hash value
fn 1. ln 1 @ a.com n 2 @2. de n 3 @ aol.com n 4 @ web.de HVL @ ca2.org	H (PK 1) H (PK 2) H (PK 3) H (PK 4) H (HVL of CA2)

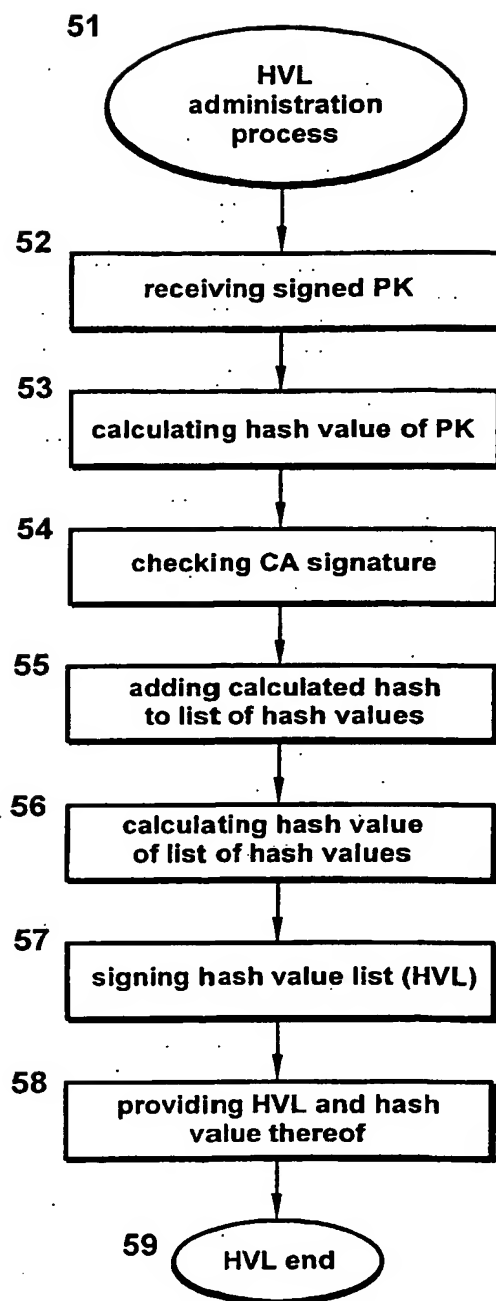
Fig. 3

4/14

41 user ID	42 public key	43 certificate
1	PK 1	CA 1_cert (PK 1)
2	PK 2	CA 2_cert (PK 2)
3	PK 3	CA 1_cert (PK 3)
4	PK 4	CA 1_cert (PK 4)
CA 2	PK- CA 2	CA 1_cert (PK_CA 2)

Fig. 4

5/14

*Fig. 5*

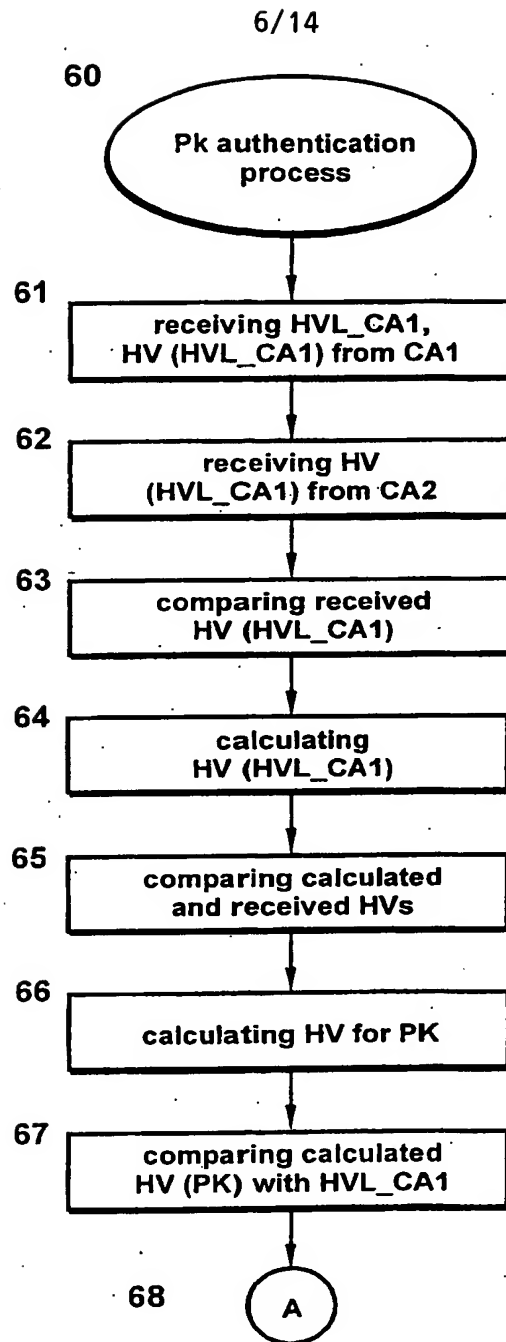


Fig. 6

7/14

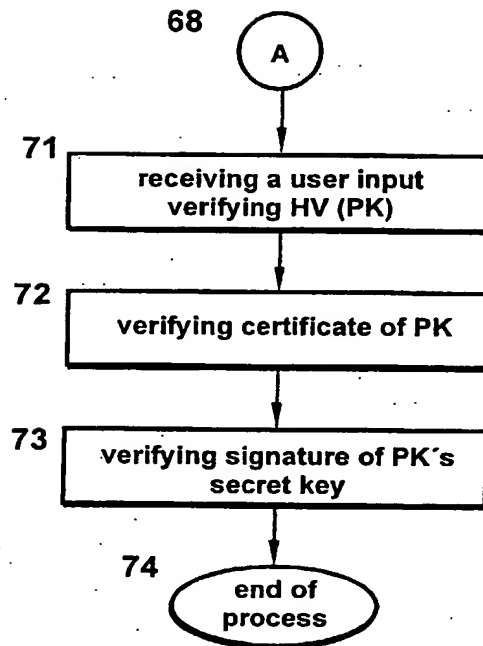


Fig. 7

8/14

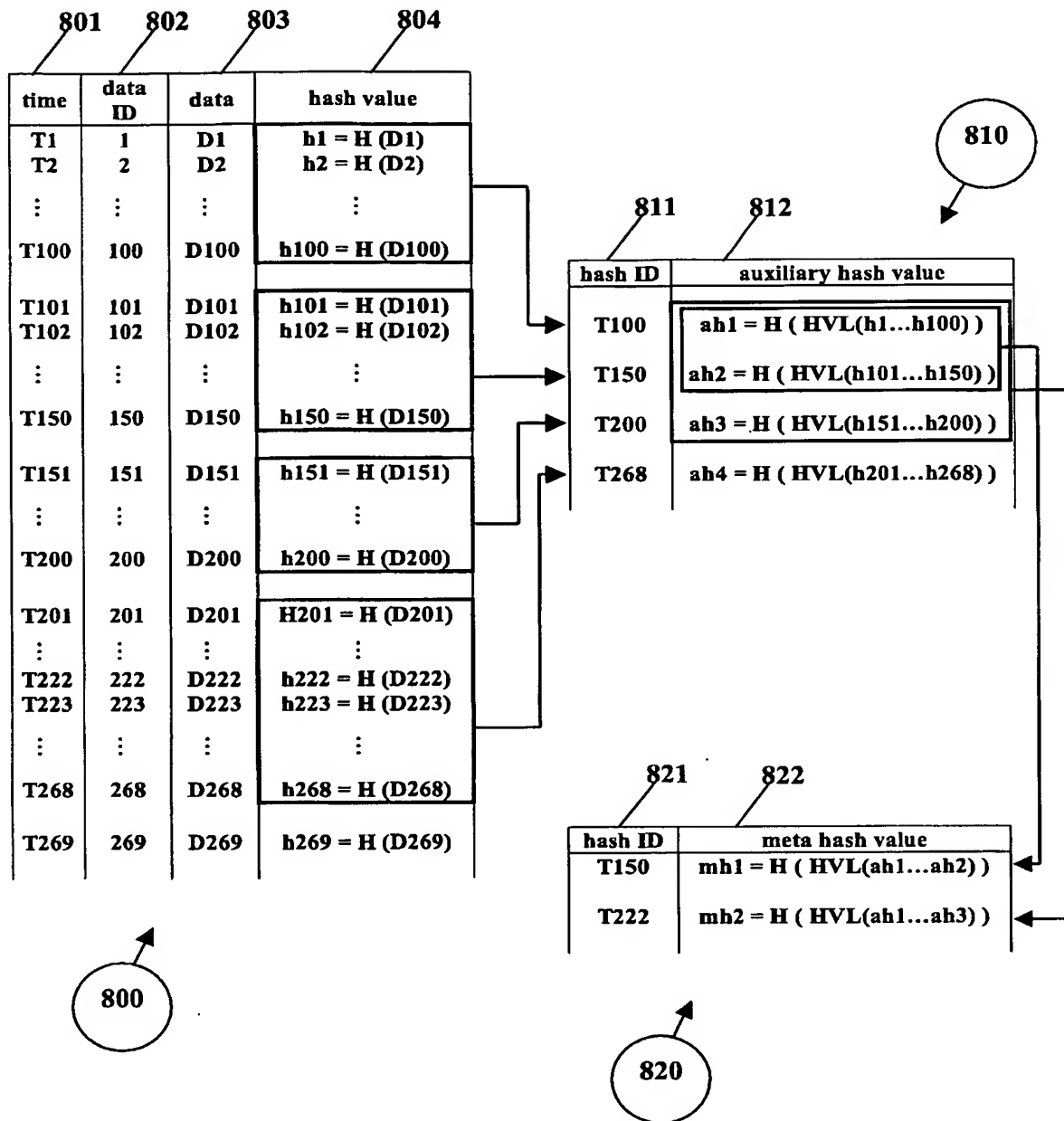


Fig. 8

9/14

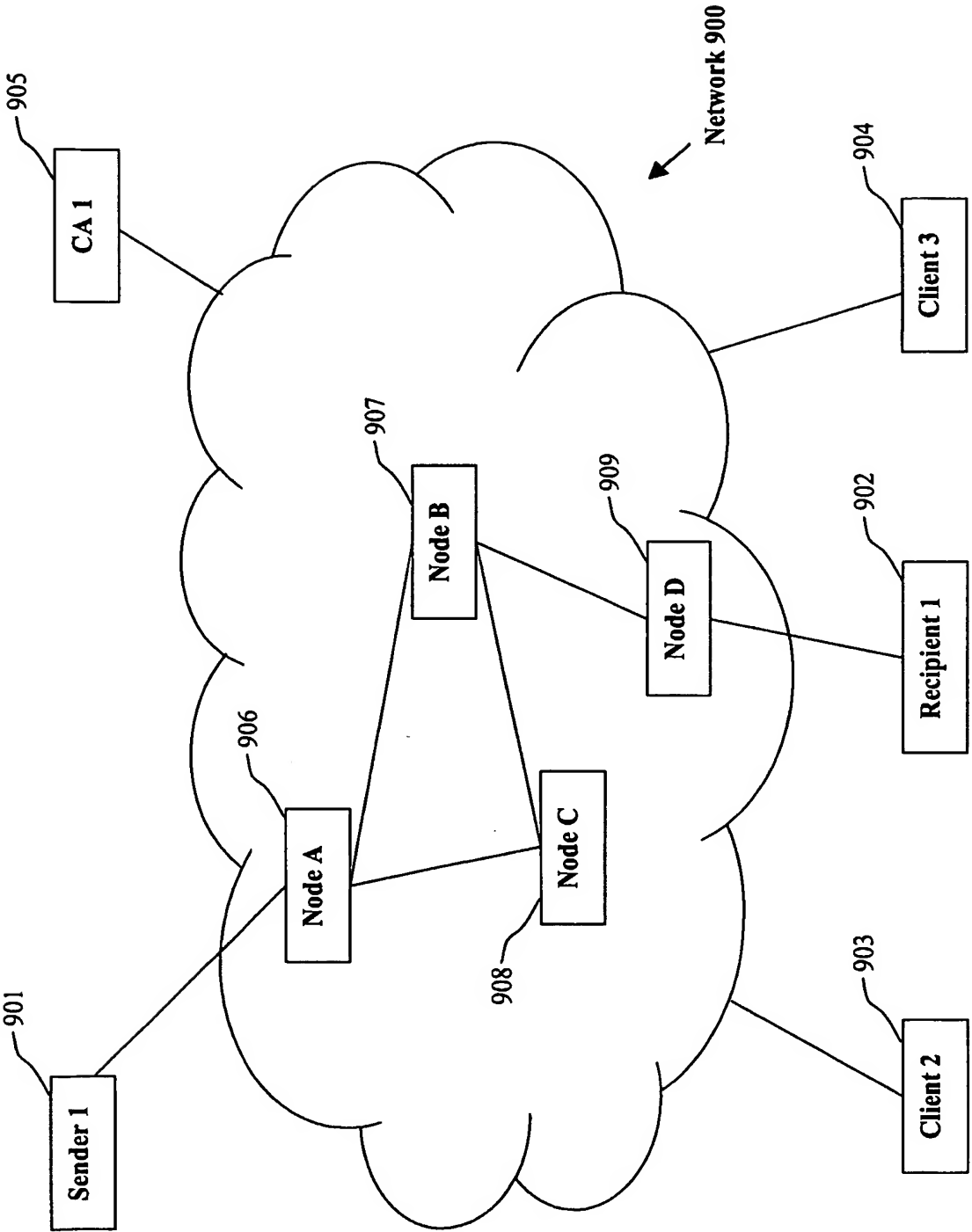


Fig. 9

10/14

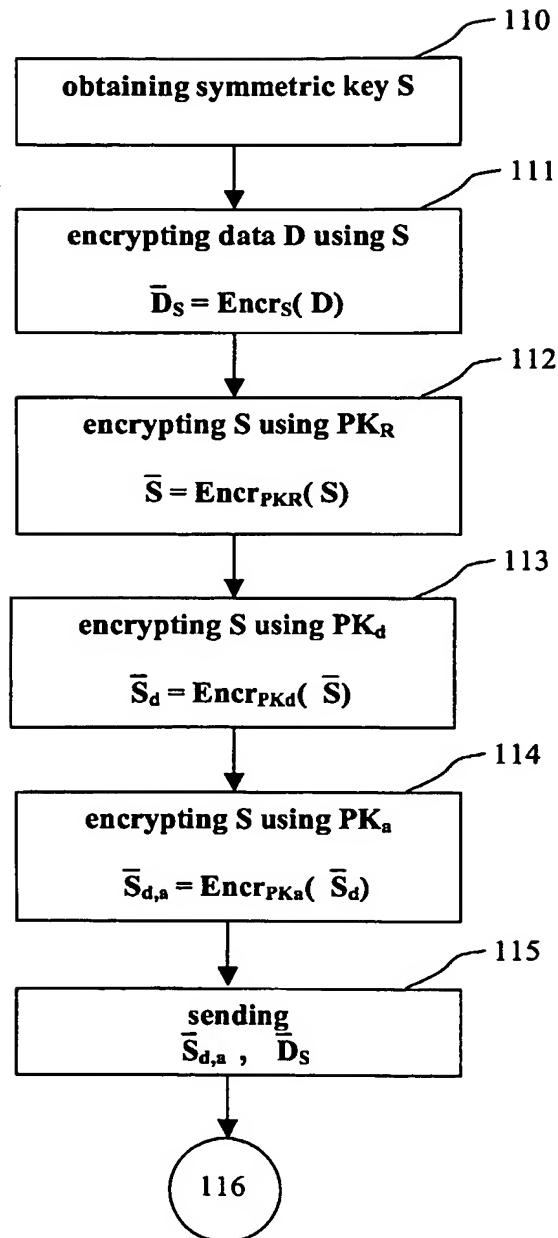


Fig. 10

11/14

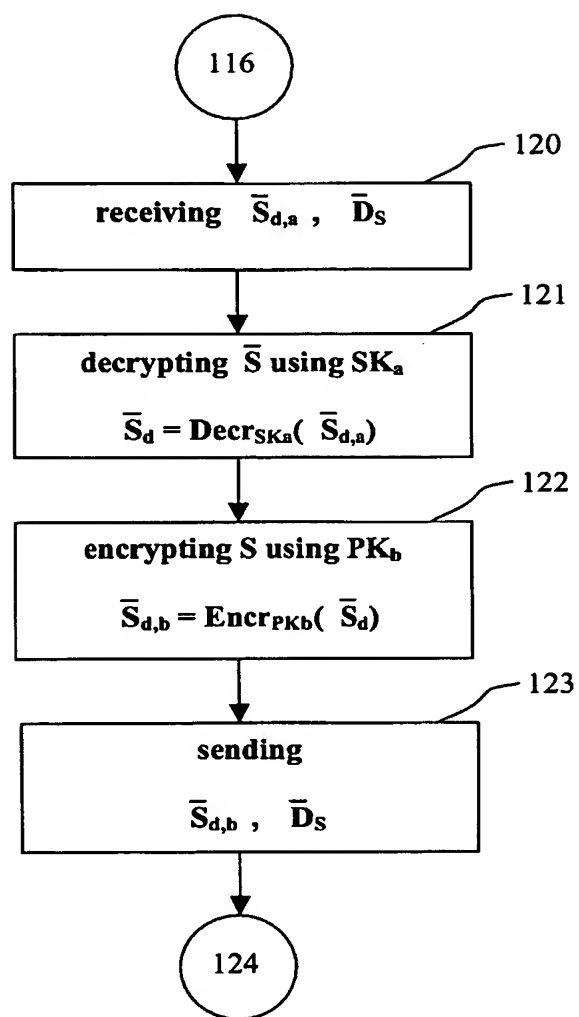


Fig. 11

12/14

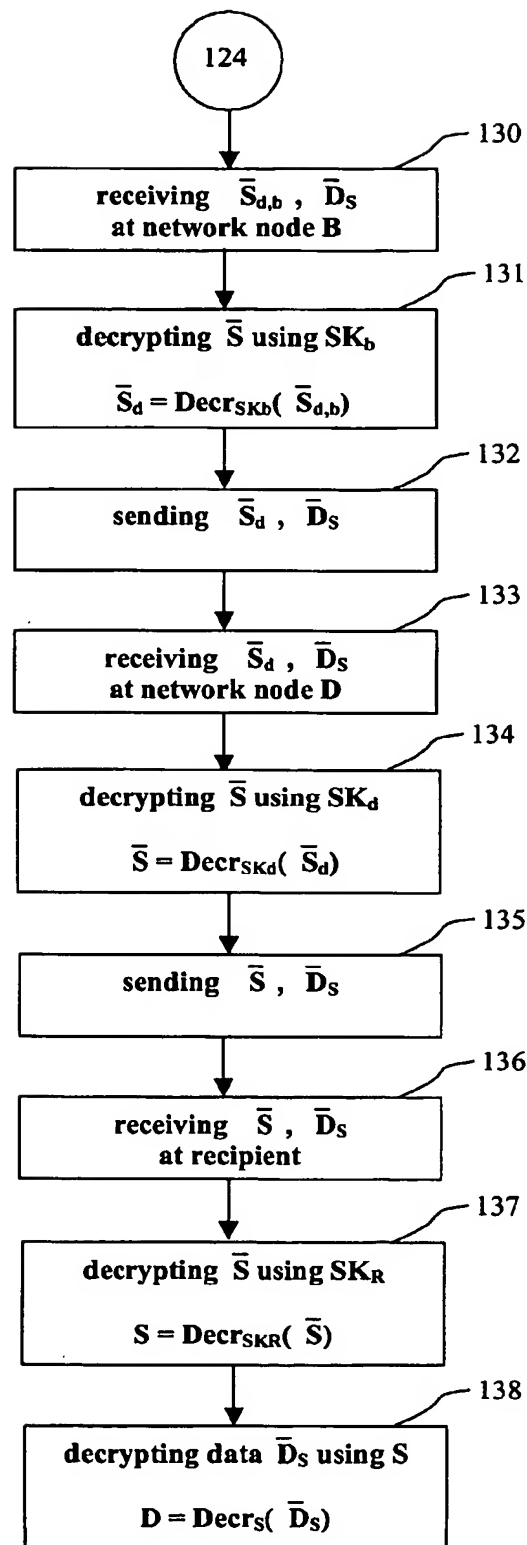


Fig. 12

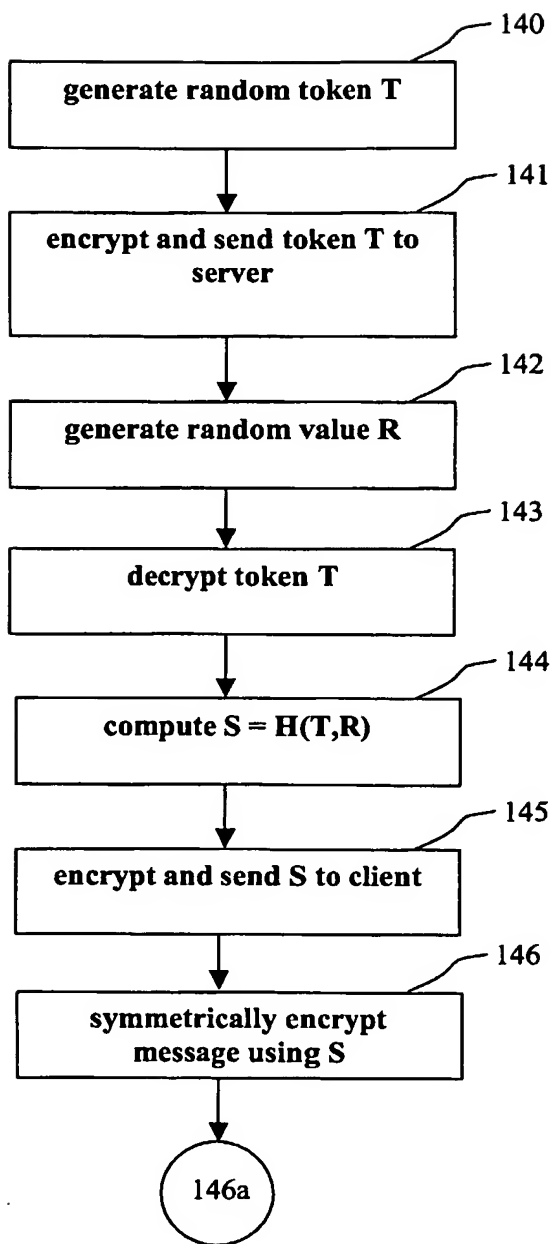


Fig. 13a

14/14

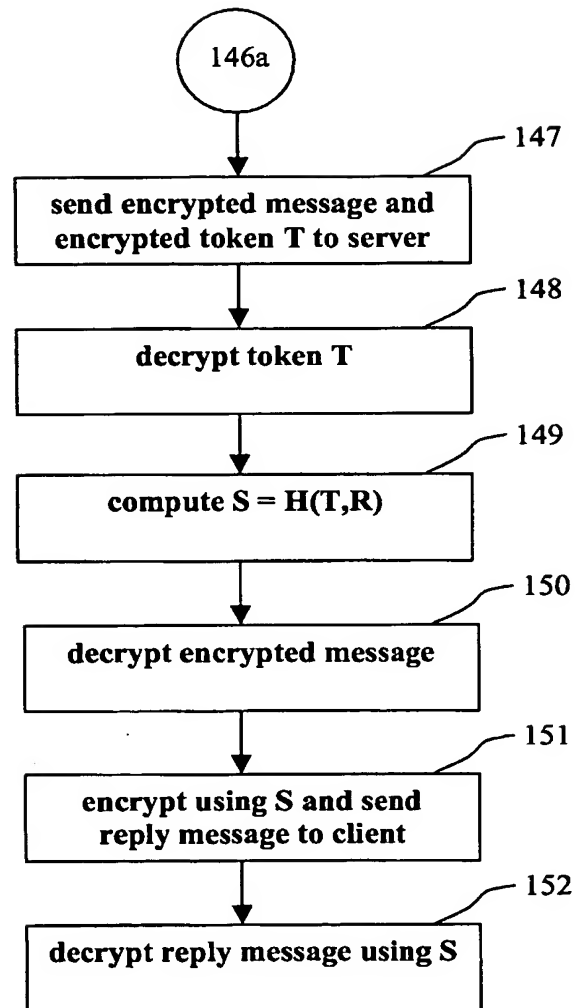


Fig. 13b